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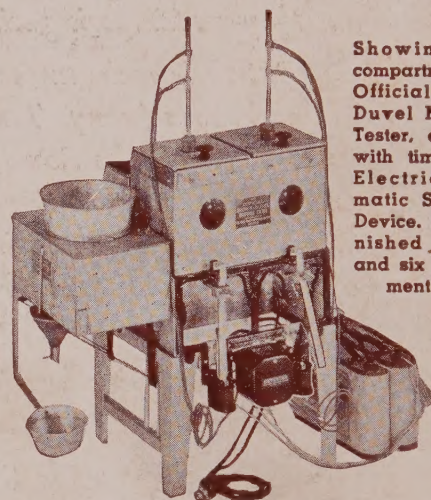


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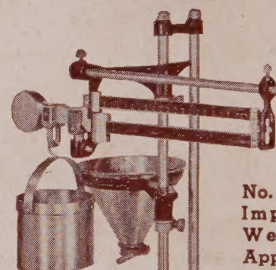


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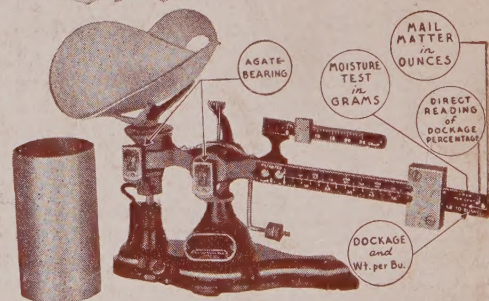
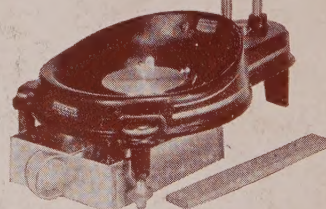
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October

1937

The Constitutional Grain Business

Here is the reaction of a grainman to the current wild ideas promulgated by our worthy politicians:

"The boys in the political saddle are riding high; if they ride any higher, they are going to fall off.

"They are tampering with the Constitution of the country and they are tampering with about everything else in the land.

"But their main tampering seems to be with Agriculture . . . and that's funny. The storm they are raising with their fussing around the Constitution is nothing compared to the dusty storm they will raise if they go any farther with monkeying around Agriculture — for Agriculture is one of those basic things older than any Constitution ever formed. It is as old as Man.

"In fact, Agriculture is the Constitution of mankind, for it is the one and only thing that has ever guaranteed Man a living . . . and made good its promise.

"But in spite of all this, the good old constitutional grain business is up for trial again on November 15th, when the demagogues of the land meet in solemn session to tell Agriculture, the father of us all, just which back seat to take!"

CUSSING WATERS SPEAK

by
E. E. Yates

Oh, dam us not, ye dam men,
To make us lie in stagnate pools;
Have mercy on the fishing schools.

For we'll defy your stone-dam walls,
And mock you right before your eyes
When "Sol" shall whisper, "Vaporize!"

We'll float away to form the clouds
And shoot the sky across with lines
That leave to drouth your dam-confines.

Men perpetrate these dam-jobs
And seem to think they'll hold us, too,
When even God-dammed streams break through!

Editorial

by DEAN M. CLARK

AN OLD, OLD FABLE

ONCE on a time there was a great lord dwelling in splendor amid the richness and gayeties of his court. According to his station, he was revered and fawned on by high and low. All this the noble lord took with smiling countenance and gracious manner.

As time went on he increased the richness of his palace and exalted many favorite nobles to yet higher glory. His lands were fat and his mines deep dug. He knew this because his nobles told him so. His nobles controlled the lands and the mines. His subjects were loyal and worshipped him. He knew this because his nobles told him so. The nobles controlled the people. All was as it should be, for the great lord and for the nobles.

But outside the gilded palace walls the people were in misery. There was want and suffering and coercion. Their cries grew in volume and finally were heard inside the palace. The great lord summoned his nobles and without more ado they concocted a hundred mighty plans to help the people. The plans were immediately put into effect but the next day the cries were yet more loud.

Nothing daunted, the great lord summoned another conference and they concocted a thousand mighty plans which were without delay put into effect. The great lord knew these plans would help his people this time. The nobles told him so. But the cries arose again like a whirlwind. Frantically the great lord and the nobles concocted a *million* feverish plans and sped them into effect, but the whirlwind grew and swelled until it was heard to the ends of the earth.

And then the great lord gathered his nobles and fled the palace. He knew he had to

The PEOPLE told him so.

GRAIN

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CHICAGO, ILLINOIS
TELEPHONE HARRISON 2425

A forum for
OPERATIVE
and
MECHANICAL
PROBLEMS
in
TERMINAL
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INSIDE FACTS

On Outside Coverings



by R. R. KAUFMAN*

Before the Society of Grain Elevator Superintendents



OF vital importance to all terminal elevator men is the building and maintaining of grain tanks which will have a longer life span and considerably lower maintenance cost. Volumes have been written about the various phases of concrete; of its strengths, its weaknesses. There are probably more theories existent today on what causes concrete to check, crack, spall, and to require reintegration, than there are in any other field of endeavor.

Supers generally are well aware of the virtues of the various types of Portland cements, aggregates, newest reinforcing and designing methods, because of first-hand knowledge. In this article it is the author's concern to point out the *placing* of concrete after the best combinations of cement, aggregate, and design have been selected. It is worth mentioning in passing that despite the improved standards of today and the extent of knowledge that has come through long experience, we still find concrete possessing more cracking, spalling, laitance seams, and other ills than it should. Our progress in concrete construction has been very marked but we are still far behind other specialties in the construction industry.

Watered Stock

It is a well established fact that the maximum amount of water which will combine with a bag of cement is less than two and one-half gallons. Now, in a design of one cubic yard of concrete in which you require six bags of cement with six gallons of water per bag of cement, you have a total of thirty-six gallons of water. Actually, less than fifteen gallons are required to completely hydrate the cement, leaving an excess of twenty-one gallons — the equiv-

alent of approximately 2.8 cubic feet. The 2.8 cubic feet of excess water occupies a little over ten per cent of the cubic yard, and in exposed structures eventually evaporates, causing pores, voids, and shrinkage cracks which greatly reduces the density of the resultant concrete. Obviously, none of us would erect a structure leaving one-tenth of the total yardage represented in voids if it were possible to do otherwise. The purpose of this article is to explain this "otherwise."

The water-cement ration law emphatically states that the amount of water per bag of cement governs the strength of the resulting mix providing the aggregates are sound and durable and that the concrete is both workable and placeable. Thus, in designing a concrete mix, we make a cement paste which will give us the proper strength, to which we add combined sand and aggregates until we arrive at a mixture embodying workability and placeableness. This last is determined by the type of job we are running.

A New Idea

Master Builders Research Laboratories have produced a water-proofing agent with strong pozzuolanic properties which, while reducing the amount of excess water 25 per cent, actually improves the placeability of any practical concrete mix. If a mix is being designed to meet certain strength requirements, the amount of water can be maintained at its original figure despite the addition of this water-reducing agent, thereby allowing a fifteen per cent increase in combined aggregate. The very action of its addition will reduce the amount of water in the unit mass of concrete and afford escape of many of the ills com-

(Concluded on Page 13)

THE REGISTRATION PARADE

Here is the official registration for the Convention,—just released from headquarters: (Members marked *)

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(Continued next month)

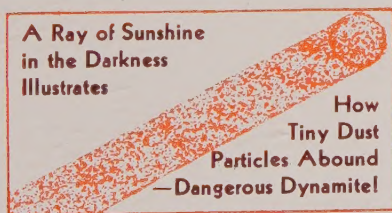
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Lighting Up AN ELEVATOR

★
by J. H. IRWIN, Manager
Western Grain Company, Ltd.,
Fort William

before the Society of Grain Elevator
Superintendents
★

MODERN lighting has done much to improve working conditions, lessen accidents and better the care and attention to equipment. In addition, the use of the daylight or blue lamps permit the grading and shipping of grain at night with a certain degree of safety. It often accentuates certain types of grain or impurities but by comparison with similar grain shipped during daylight a close uniformity can be maintained.

With the present day high wattage tungsten filament lamp, greater care in keeping clean is necessary for where left to become coated with dust it very readily ignites the dust and this may have far-reaching, hazardous effects.

Burning Adventure

A light left hanging at the front of an open leg became so coated with dust that it exploded. Part of the light and some of the burning dust flew into the buckets, which, fortunately, were so full of oats that the burning dust fell out again but landed in the leg well just above the ceiling of the first floor.

The next morning, indications of burning dust were in evidence. No machinery was started and after much investigation the place was discovered. The next problem was then how best to get it removed. Yours truly, much younger and less experienced than at present, went down the leg on the buckets from the bin floor and with a broom intended sweeping the burning dust into the buckets opposite and then backing the leg up by hand to where it could be removed at the ground floor.

The best of plans often miscarry and needless to say at the first disturbance of the burning dust when it then received a current of air up the leg well, it ascended in one fine flare of burning dust right up

the leg well to the casing at the bin floor and I in turn reached there also as fast as the buckets could be climbed, but minus any eyebrows, eyelashes or hair on hands or head where not covered, and very, very frightened.

I often wonder what really might have happened had it not been in a leg well, where the casing, fortunately, was clean and gave the flare a chance to dissipate without disturbing any other dust.

The burning dust was later easily put out by sprinkling water on it from the bin floor.

Light with Care

Another instance worthy of mention was where an extension was left in a scale in preparedness to sweeping it out after shipping refuse screenings. The garner above was being swept out and by the time the scale was reached no light was on the extension. Later, however, after the scale was cleared it was found that the screenings in the bin where the sweepings went, was afire in several places. Two pails of water sprinkled on the burning spots removed the fire. Just another example of why lights should be used with ordinary horse sense and not exposed to dusty locations unless covered with a vapour-proof globe. Better still, keep them out of such places, for you cannot see anyway if the dust is so thick. Most important of all, *keep them clean at all times.*

I only tell these experiences on myself in the hope that they will serve as a warning to some other fellow operator. Wise are they who can profit from the experience of others. Of course, they say advice is what an old man gives a young man when he is too old to set him a bad example. So please accept in the spirit given.

Experience also proves that lamps will give longer

life when vibration is at a minimum and explains why some times you notice a knot tied in the cord, if not to shorten it, then for convenience, but a light-spring in bad places is preferable.

Whoa — Back Up!

Life would be a poor existence if it were not for the faculty of being able to chuckle over some of the experiences which at the time might have seemed serious. I recall a funny one of not so many years standing when on a Monday morning after the power company had been doing some repairs on the Sunday previous, it was found that the machinery was all running backwards. This sure was a conundrum at first — each operator thought some one was playing a practical joke — but to one electrician starting the passenger elevator and having parts of the automatic overrun throw-out come tumbling down from above, it was no joke. The human element is not infallible, and serious might have been the result from changing the phasing had a leg with new type backstop been started.

The Human Factor

Though we may be blessed with the most complete and perfect electrical apparatus the best engineers on the North American continent can devise and manufacture, its satisfactory operation cannot be assured unless the human factor operating it is eternally vigilant in his duties. In view of the far-reaching effects and the entire dependence placed on an ample uninterrupted source of electricity, it behooves everyone from generating station operator to the assistant electrician who only air cleans and oils the motors, to do their utmost to recognize the importance of their duties and make electricity in the elevators its own best sales agent to all prospective plants.



The world is a looking glass, and gives back to every man the reflection of his own face. Frown at it, and it in turn will look sourly upon you; laugh at it, and with it, and it is a jolly, kind companion.

—William Makepeace Thackeray



You will never reach seventy doing seventy.



Porter on Pullman refused to make up berth for politician. Said politicians make up their own bunk.

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Robertson Safety Ventilators

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OF NORTH AMERICA

Makers of Progress



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332 South La Salle Street, Chicago, Illinois

Among Ourselves

Robert Barclay Pow



R. B. POW

A good grainman is a good all-around man. Robert Barclay Pow, Superintendent, of the Reliance Grain Company's Terminal Fort William, proves that. Four consecutive times the choice of the voters for Mayor of Fort William, upon his refusal of a fifth term he was unanimously elected member of the Aldermanic Council. He knows how to govern a city, and he knows how to run an elevator

... and he was once a shoveler.

"His Honor Barc" was born of good, sturdy Scotch stock in Canada and grew up with grain on a farm in southern Manitoba. Schooling came the hard way for him, traveling daily the distance between the little country schoolhouse and his home. But with a native, healthy inquisitiveness he thoroughly digested every book he could lay his farm-calloused hands to, and rounded out his education with the knowledge obtained by his reading.

The Canadian West was then just coming into the world wheat picture for the first time. Vast developments were under way as immigrants poured into the country and millions of acres were put under the plough and sown with grain seed. Young Robert, now a youth, became a buyer of farmer's grain for one of the early companies in Manitoba. Later he moved westwards and bought grain for other firms.

About the turn of the century he came to Fort William, an alert, husky, young man, to find tremendous construction under way of mammoth elevators designed to store, handle, and ship the golden flood from the productive prairies. Bob surveyed the roaring scene with glowing eyes and swore a good Scotch oath that the swirling dust and noisy confusion would bring him his fortune. With a song in his throat he plunged in.

His first job was the back-breaking, dust choking battle of unloading grain by hand. A season of this and then he started inevitably up the ladder. Progressing steadily through the various jobs of the elevator he finally emerged on top — the superintendent. Today he is General Manager at the head-of-the-lakes



● Three motors out of four that we sell go into normal motor service — where a standard open-frame motor will not encounter difficult operating conditions. But that fourth motor — it may be needed where dust or corrosive fumes fill the air . . . or in a machine shop where powdered emery or metallic dust would cut motor life down to a matter of weeks or months.

Obviously, the simple enclosing of an open-type motor would be to invite trouble, so our engineers started from the base up to build an entirely new motor for tough services like these. Built-in fans on both ends of the motor shaft create their own ventilation system, eliminating "hot spots." The shaft runs on ball bearings that require lubrication no oftener than once a year. And, with all these advantages, the F-M fan-cooled motor is exactly the same in mounting size as regular open-frame motors.

If your service requires the extra protection that only a motor designed and built for tough service can offer, write for Bulletin L-36. Fairbanks, Morse & Co., 900 South Wabash Ave., Chicago, Illinois. 34 branches at your service throughout the United States.

6934-EA40.123



for the Reliance Grain Company, Limited. The good Scotch oath was fulfilled.

Mr. Pow is a fine sportsman, an inveterate fisherman and a keen devotee of all outdoor pastimes. He was a member of the Canadian Curling Team that represented the Dominion at the 1932 Olympic Games at Lake Placid. He swept right through in great style. True to his lineage, he is also a golfer of no little repute. And over all his achievements stands the *man* — the friendly, solid person his host of friends know and admire.



WOULD MAKE ONE FEEL MIGHTY HAPPY

If all the good wishes received for the membership could be circulated it would be grand. "Give all the boys my best," say G. J. Shaw, Port McNicoll; Joe Wilke, Peoria; Bill Feemster, Baltimore; H. L. Heinrichson, Sioux City; Harold Wilber, Decatur; Oscar Olsen, Duluth; James Mackenzie, Three Rivers; Frank Beyer and Percy Poulton, Fort William; Jim Hayhoe, Minneapolis; and so on, pleasantly without end.

What a "homecoming" our conventions really are, too.



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"STAR"
Warehouse
BRUSH
FOR
SWEEPING
GRAIN
FROM
BOX CARS

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terminal elevators
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NAPOLEON:

"Yes, it is something to achieve anything; to make a thought become tangible. With most men it dies in I think or I say. How difficult to combine I think and I do. Thought in action—that is to be like God."

—HERVEY ALLEN
(Anthony Adverse)



Food for Thought

The businessman of today has to read, yes, and study and go to the roots of many things, that he may avoid the pitfalls which surround business upon every side.

—Andrew Carnegie.

Keep your fears to yourself, but share your courage with others.

—R. L. Stevenson.

At last we must admit that the man who towers above his fellows is the one who has the power to make others work for him; a great success is not possible in any other way.

Good manners are made up of petty sacrifices.
—Emerson.

The valuable man in any business is the man who can and will co-operate with other men. Men succeed only as they utilize the service and ideas of other men. Co-operate!

Folks who get fussy about their digestion and assume a personal charge of nerves, have nerves, and are apt to have no digestion.

It is only those who do not know how to work that do not love it. To those who do, it is better than play — it is religion.

—J. H. Patterson.

Not all respectable people are good; and there are many good people who are not respectable.

mon to concrete placed with too much mixing water.

Concrete Shrinkage

A great number of concrete technicians do not seem to recognize the importance of shrinkage in concrete. For a number of years many men have accepted this shrinkage as inevitable, as unavoidable, as an inherent weakness in concrete. In "Basic Principles Of Concrete Making," by F. R. McMillan, he states that in two standard mixes there is a range of twenty-five per cent in shrinkage variation. He comments on this and suggests that additional contraction and expansion joints be placed within a structure to compensate for undetermined shrinkage action. However, we are all aware of what shrinkage has done in grain tanks and we know that this type of damage is the largest source of grief in maintenance.

It is interesting to note that in reinforced jobs the steel does not shrink with the concrete. The concrete shrinks upon setting and places the steel reinforcing tension members under compression until such time as the elastic limit of the concrete is exceeded and it cracks. Practically speaking, when you build grain tanks some minute cracks form due to shrinkage of the structure, and then temperature changes cause further widening and deepening of the original cracks. Most of the leakage encountered in tanks is caused by these cracks. Another debit in their ledger is the oxidation and spalling which occurs in the reinforcing steel when these cracks expose the steel to the air.

Placing Concrete

Concrete with either a fifteen per cent reduction in total water or a fifteen per cent increase in aggregate maintaining the same water-cement ration, produces a more homogeneous and placeable concrete. This means that it will flow around reinforcing steel with greater ease, with less segregation, honeycombing, less water gain producing laitance seams, and less pointing up after the job is completed.

Given good material, properly designed mix, and proper supervision it is no trick at all to produce concrete that will stand up under disintegrating influences for fifteen years, but it is a real accomplishment to produce a concrete that will not show material signs of disintegration after twenty-five years. The only method by which this can be done is by reducing the amount of excess water and giving your concrete a greater density.

* Master Builders Company, Ltd., Toronto, Ont.



Advertise in "Grain"

Don't Just Order elevator cups — order



HERE'S WHY:

Many elevator cups lack the sturdy construction which is a prominent feature of SUPERIOR cups. And nowhere else can you find cups that scoop so full yet handle the grain so well.



PATENTED

This, reader, is the SUPERIOR Model "O. K." It's a cup for a special purpose. It has a large flare. So this is the cup you need if you want a high-speed discharge. Also especially suited to handling damp or sticky material.



PATENTED

And here's that grand old reliable used in thousands of mills and elevators because it is without a peer for general work. It doesn't break grain but it does scoop brim full every time! The "D. P." Model!



PATENTED

New Model "C. C." Is designed for use on close belt centers, thereby increasing the capacity of the elevator leg. This now can be done with this improved cup—picking up and discharging completely in a wide range of belt speeds.

This cup will give you more capacity—a cup that will withstand extreme usage without breakdown—it has behind it all the experience and skill of several years gained by this organization.

Our services are at your command.

K.I. Willis Corporation
MOLINE, ILLINOIS

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By President

MINNESOTA CHAPTER ANNOUNCES PROGRAMS

By E. J. Raether, Secretary

The Minnesota Chapter of the Superintendents' Society announces that our programs for the coming year, to be held on the last Tuesday of each month, will include two inspection trips visiting plants, two meetings with outstanding

speakers on general industrial subjects, one talk on Crop Improvement, two meetings in Safety, one evening with an agricultural professor from the University, one with the ladies, a joint meeting with the Managers, and an Associates' Night.

Mechanical, technical and operative subjects are to come up for discussion following most of the addresses.

SOCIETY' MEMBERSHIP NEARING 400

By H. P. W. Keir, Vice President

I am happy to report that the memberships of our Association have reached the 375 mark and promise to be well on the way towards the 400 mark 'ere snow flies.

Topping the list of new membership producers is Ted Manning of Kansas City, trailed by Ed Raether of Minneapolis, Barney Weller of Chicago, R. E. Browne and Harry Madison of Kansas City, and Henry Korn of Buffalo for a total of twenty-two during the past quarter.



MANNING REPRESENTS SOCIETY AT DALLAS

Director T. C. Manning, President of the Kansas City Chapter, represented the Society at the Dallas convention of the Grain & Feed Dealers National Association on October 10-12th.

A splendid program and an optimistic attendance is reported.

Mr. Manning, who runs the Wabash Elevator in North Kansas City for the Uhlmann Grain Company, stopped off on his return at Enid, where he reports another Chapter will doubtless be formed in November.



SAFETY CONTEST SUCCESSFUL

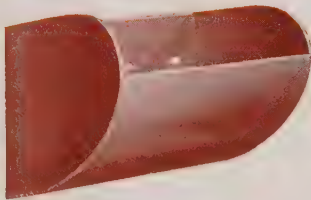
By Oscar W. Olsen

The Safety Contest Committee of the Society of Grain Elevator Superintendents of North America announces that their efforts are being whole heartedly received by the Managers and Superintendents of the larger elevators and processing plants throughout the continent.

Every one of the grain and processing elevators in Fort William and Port Arthur have signed up 100% and word comes from the Minneapolis and Kansas City Chapters that they expect to enroll with parallel enthusiasm.

The contest is being held to minimize accidents and injuries and to correct warped insurance rate structures. Com-

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is a highly specialized elevator bucket and to get maximum results with greatly increased capacity, there is necessarily some engineering advice required as to its proper application. We are the ones to give it to you. Our regular dealers are trained in this. If you are not in touch with one of these dealers, a letter to us will put you straight.

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Grain & Elevator Co.



HARRY THOMS
Stratton Grain Co.,
Milwaukee



H. L. HEINRIKSON
Terminal Grain Co.,
Sioux City, Ia.

S. S. Orstad

pensation insurance premiums, the committee points out, are based upon the safety-success of each individual plant, so by improving the experience rating then premium rates should fall in line.

The committee is arranging for a number of attractive trophies for the Superintendents to "shoot at".



SUPERS DINE AT ELEVATOR

By R. E. Browne, Secretary

"Was it good!?" That's what they all said after the Kansas City District Chapter held its September meeting at the Uhlmann Grain Company's Wabash Elevator where President Manning is the "King," "Maitre d'," ad infinitum. He has a full ice box that would flatter the best "morsel-emporium" in town and the members surely enjoyed the treat.

A few Associate memberships are to be issued following the approval of each applicant — to add to the three already members.

Safety came in for a big share of the evening's discussions and we feel we are all really getting somewhere on this score now.

The October meeting, during which time some 7,000 safety engineers had taken over the down-town area, started out with an array of accident and injury prevention talks by some of the big-wigs of the National Safety Council and ended with a discussion of pertinent operative problems.



GRAIN has always been identified with man—but it began to look for awhile in the drouth area that the farmers had lost their identity.



CHAPTER MEETINGS SCHEDULED

By S. S. Orstad, President

The following schedule of monthly Chapter meetings will be adhered to as closely as is possible, and is arranged so that additional chapters in any one area may easily fit in their meetings during the

TEN WAYS TO KILL AN ORGANIZATION

From W. F. Schaediger,
Edgewater, N. J.

1. *Don't come to meetings — But if you do, come late.*
2. *If the weather doesn't suit you, don't think of coming.*
3. *When asked to help, "pass the buck" to the officers.*
4. *If you do not attend meetings, find fault with the work of the members and officers who do attend.*
5. *Never accept an office. It is easier to criticise than to do things.*
6. *Nevertheless, get sore if you are not appointed on a committee, but if you are, do not attend the meetings, or do anything.*
7. *If asked by the chairman to give your opinion on some important matter, tell him you have nothing to say. After the meeting tell everybody how things should be run.*
8. *Do nothing more than is absolutely necessary, but when other members roll up their sleeves and willingly and unselfishly use their ability to help matters along, howl that the organization is run by a clique.*
9. *Don't bother about getting new members, "let George do it."*
10. *Never pay any dues. You always get something for nothing.*

same week to facilitate the visiting of the officers.

Chicago District.....1st Tuesday
Omaha District.....2nd Tuesday
Kansas City District.....2nd Thursday
Ft. Wm.-Pt. Arthur—2nd Thur. Odd Mo.
Buffalo District.....3rd Monday
Minneapolis District.....Last Tuesday

OMAHA REPORTS ENCOURAGING

"We had our first meeting with a goodly attendance," enthusiastically writes C. H. Kenser, Executive Secretary of the Omaha-Council Bluffs Chapter and Buyer and Superintendent for the Omar Mills, Inc., "and it was most interesting. I believe some good was accomplished as almost all present showed a willingness to forget any shyness and participate in the mechanical, technical and operative discussions.

"We plan on having our next meeting at the Fontenelle Hotel, at 6:30 November 9th, and hope as many others will join us as is possible."

Charles F. Walker, Superintendent of Bartlett Frazier's Elevator, was elected President of this new unit and Conrad Johnson of Butler-Welsh Grain Company's "Ironside" Elevator was elected Vice-President.

Directors include: W. S. Pool Jr., Nebraska-Iowa Grain Co.; Herbert Sayles, Updike Grain Corp., O. E. Kinman, Cargill, Inc.; Jerry Lacy, Farmers National Grain Corp., and H. C. Clark of Nebraska Consolidated Milling Company.

T. C. Manning, Uhlmann Grain Co., Kansas City, and H. L. Heinrikson, Terminal Grain Corp., Sioux City, assisted with the formation of this newest group. A unit of approximately thirty members is anticipated inasmuch as all grain and processing elevator superintendents within a convenient driving radius will be included.

Arvid Anderson, Crowell Elevator Co., a past officer and director of the National Association, presided at the formation dinner and was elected a life-director of the Chapter, inasmuch as his health precluded further activity. ★

TURN IT OVER

"The 'SAFETY' calendars sent all Superintendent Members in December contain much valuable first-aid information, as well as prizes for safety contests," writes the society's technical secretary, Jim Hayboe. "A little time and thought spent here will pay good dividends!"

DO NOT BE IMPOSED ON!



WEEVIL-CIDE is so well known and widely used that our competitors are taking advantage of **YOU!** They are calling all products **WEEVIL-CIDE**, inferring that **WEEVIL-CIDE** is a term generally applied to grain fumigants.

WEEVIL-CIDE is the copyrighted name of a specific product, manufactured and sold exclusively by **THE WEEVIL-CIDE COMPANY.**

Again we say — **DO NOT BE IMPOSED ON!** Use the product others are trying to imitate.



GILBERT SCHENK

THE WEEVIL-CIDE COMPANY

1406 WEST NINTH STREET
KANSAS CITY, MISSOURI

CHICAGO CHAPTER INSTALLS OFFICERS

"A month ago everyone was up to his neck in onrushing grain", said Chapter President Gilbert P. Lane, General Superintendent of Arcady Farms Milling Company's plant at Riverdale, in opening the Sixth Annual fall series of monthly meetings. "Now, everyone's boss is riding him to keep expenses down. Our principals have had their bad times, but now the pendulum is swinging in the other

direction.

"The fellowship of a chapter such as ours is certainly worth many thousand percent on the small investment made in dues. Not only has the Chicago Chapter and the entire Society a great future before it, but the industry is taking on a ruddy glow. We now have six chapters and it behooves the Chicago Chapter — the Mother unit — to have enough pride to keep itself foremost in every respect. I feel we have made a great deal of head-

way during the year and while, like all Associations, we have had our low spots, yet we know we are making genuine progress. Let me again emphasize that the companionship of monthly meetings are more than worth the effort expended."

President Waterbury Installed

"We are living in a day of organization," opened Mr. Henry P. W. Keir, Past Chapter President and current National Second Vice-President. "I can readily sense the fact that no industry can long exist without it, — for it makes us more proficient in handling the problems coming up every day. Something new is constantly bobbing up, and this Chapter furnishes the needed vehicle for discussions, questions and answers, — problems that would otherwise stretch to the breaking point the ingenuity of the man in charge of solving such problems alone.

"So the reason for this Society is to brighten our concepts, and the fact that we are spreading out is an indication of good health and good interest. As time goes on, I feel there will be even more of a continent-wide desire to become affiliated with our parent body.

"To the Chicago Chapter membership I say 'Be diligent and faithful in your Chapter work, loyally support your new officers. Get behind your new men and all work together to see that the Chapter makes a noteworthy goal!'"

Programs Profitable

"I never came to a meeting of this Society that I didn't pick up an idea I could use to the definite advantage of my firm", continued Mr. Lane, "We are all selfish and must get a lot out of our energies to make their expenditures worthwhile. Therefore, I unreservedly say our Society is fulfilling a definite place in our lives here and predict that it is going to do so more and more."

"Some of our membership have things to sell", suggested R. L. Gardner of the Fiske Bros. Refining Co., "but don't overlook the fact that these same men also have a lot more to give. I feel it behooves everyone of us to make our meetings such that every member can take away with him some thought that could not be obtained anywhere else in the world. Summed up, this means that the interest to be aroused must come from the value to be gained.

"I would also like to suggest that this chapter concentrate on operative problems, — it makes no difference what they are. Get back to the speed of operations, etc.! Round table discussions are perhaps

the most effective in taking up these problems. The Association of Operative Millers hold back nothing and it is of great profit to their firms that this is the case, — so let us tell what our difficulties are and what's hampering our progress."

"Getting up on one's feet and exchanging thoughts, discussing pertinent problems, every day snarls and new ideas, is the true road toward advancement", said Russell Maas in concluding the evening's remarks after suggesting greater activity on the safety and membership teams.



GIVE MORE AND TAKE LESS

I am a great believer in the value of associations. I believe if we were all more Association-minded and would be prepared to give more and take less we would all be better off. — Otto F. Bast, Vice President of both Grain & Feed Dealers National Association and of Brooks Elevator Company, Minneapolis.



ORSTAD HEADS RED CROSS DRIVE

Know it will interest the Society's membership to learn that their able President, Mr. S. S. Orstad, is heading the Red Cross drive up here — and he'll make a huge success of this activity, too.



WHEN IS A MAN OLD?

"The number of years one has lived does not always measure one's usefulness," says Mr. Dudley M. Irwin of Cargill, Inc., Buffalo, N. Y. "I regard the amount of energy one may be blessed with and his record from year to year — a fairer measure of his life." He quotes the following:

*"King Solomon and King David led very merry lives;
With their many, many concubines
and many, many wives;
But, when the fires of youth grew dim
and their lives were filled with qualms,
King Solomon wrote the Proverbs and
King David wrote the Psalms."*



CHANGE IN NAME CONTEMPLATED

By S. S. Orstad, President

Due to the fact that our Association embraces so many other kindred lines of business it is not exactly fair to that third of our membership that we continue the name "Grain Elevator." An analysis of our membership discloses many Presidents, Vice Presidents, Managers, Plant Managers, General Superintendents of processing plants, Superintendents and Assistants, Foremen, Chief Chemists,

Chief Electricians, Chief Engineers, Master Mechanics, and so on in grain elevators, flour and feed mills, soybean and seed plants, malt, brewery, distillery, starch, yeast, flax (linseed), canning and paint processors — as well as twice that many divisions of some of the above general classifications. Not only that, but the ramifications are increasing constantly, so

I believe it would be a stroke of good judgment to adjust our Association's name to reflect our wide-spread interests — if that is possible and someone will only come forward with just the right name.

Would appreciate hearing from the membership on this, as we will wish to prepare selections to present to our approaching convention for their vote.

Properly Designed **CALUMET PRODUCTS** *for Economy and Efficiency*

ALL TYPES
SCREW CONVEYORS . . . ALL TYPES
ALL DIAMETERS . . . FLIGHTS OF ANY GAUGE

BUCKETS FOR EVERY
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The Calumet Line offers you the advantage of improved design, backed by years of experience in the manufacture of Elevator Buckets and Screw Conveyors. Your entire needs can be filled from one reliable source. Large dealer and factory stocks on hand at all times for quick delivery.

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SCREW CONVEYORS **PRODUCTS** ELEVATOR BUCKETS

SOMETHING IN "GRAIN" HIT THE SPOT!



FOUR PRINCIPLES TO CHECK POWER WASTE

By Alfred Vaksdal and Frederick S. Kriger in *Factory Management and Maintenance*

Much of the waste of power can be stopped by the application of four simple principles:

1. Educate every man to regard power in any form as a tool to be used intelligently and economically.
2. Determine the power used by departments, processes or machines.
3. Set standards of power use for these items and compare actual use with these standards, always striving to use cheaper power where it can be done satisfactorily. Keep a continuous check on progress in preventing waste of power, and make the results, good or bad, known to every employee.
4. Remove or replace obsolete machinery.

Power waste can usually be found in abundance, and if each employee does his bit toward stopping them each day, the sum total at the end of the year will be astonishing.



WIRE ROPE ON SHOVEL LINES

By Norman D. Broadway, Collingwood

Relative to the use of wire rope as shovel lines, I might say that we have always used wire at this plant. Up until two years ago we used a marlin-covered wire composed of $\frac{5}{8}$ " wire which when marlin-covered brought the size to 1" diameter.

Two years ago we switched to a plain $\frac{5}{8}$ " diameter six-strand 19 wire plow steel wire, which we find much more satisfactory, due to the fact that it pays out better and appears to be easier to handle, — in addition to the fact that the life is about twice as long.

NOW I WONDER

Those of us who were raised on the farm know that lightning is the thief of many a shock of wheat, barley, oats or rye, — the bolt just stomaching the grain with nary a belch.

Now I wonder whether there is an affinity for electrical charges on the part of these precious gems that fill our elevators? If there is, then there may be even a wider sphere for studies into this approach that Super Feemster of Baltimore opened a time back; — perhaps static or other pent up charges might hold the key.



Grain breathes, to be sure, giving off carbon monoxide and carbon dioxide mixed. . . . Did you ever hear of a cube of dry ice (carbon dioxide) exploding? C'mon you chemically-inclined Supers and concentrate!



LOX (not soap, but liquid air) likewise explodes so perfectly that it is today being used in place of dynamite. Herein you have similar elements to those found in a bin of grain, — and almost a parallel set of conditions for explosions. . . . Ah, these chemists are so generous to one's peace of mind, — but they may find an answer. In the meantime think it over and write me. — W. J. McDillon, Great Lakes Supply Corp., Chicago.



FOUNDERS TO BE FETED AT NEXT CONVENTION

I think it is a very good idea to have the members of the Founders' Club feted at the head table at our next annual convention.—President S. S. Orstad, Federal Grain, Ltd., Fort William, Ont.

GOING TO BE ON HAND

Have changed my mind about my European vacation and will be at the Kansas City convention in March.—Percy C. Poulton, N. M. Paterson & Company, Fort William.



SAFETY CONTEST DEADLINE EXTENDED

Word comes from Oscar W. Olsen and Clarence W. Turning that the "dead-line" for entering the Society's Safety Contest has been extended to November 15th, it being felt that many of the elevators have been so busy that they haven't had a chance to fill in their blanks.

"The contest is 'taking' very satisfactorily," advises Chairman Olsen and Safety Director Turning, "and we expect to have a hundred or more very shortly engaged in this commendable effort."



FUNDAMENTALS FOR ACCIDENT PREVENTION

If accidents to industrial employees are to be prevented, two fundamentals must be embodied in our safety activities:

1. Adequate safeguards must be provided, including both mechanical and personal equipment.
2. Employees must understand that they are required to work safely and they must be taught and encouraged to do so. —Harold L. Minear, E. I. DuPont de Nemours Co.



HAVE YOU JOINED THE SAFETY CONTEST?



NATIONAL SAFETY COUNCIL



Wise and Otherwise!

AND SOME LINT

Schoolmistress: "I didn't have no fun at the seaside." How should I correct that, Tommy?"

Tommy: "Get a sweetheart, miss."

Every time you get behind the wheel, remember the duty you owe yourself and your family.

SPOILED HER STORY

Wife—The doctor says I need a change of climate.

Husband—The weather man says it will be much warmer tomorrow.

In order to be safe look both ways before stepping on a railroad track.

YOU'RE THE CREAM

New York: "Won't you join me in a cup of coffee?"

Chicago: "Well, you get in first and we'll see if there's any room for me."

Accident is the friend of carelessness,

Safety is the friend of man.

The first you doom to darkness,

The second cultivate the best you can.

DRY GOODS

He: "And who made the first cotton gin?"

Young Thing: "Heavens! Are they making it from that too?"

To avoid heat strokes, bathe daily, drink cool water, but no alcohol, eat fruits and vegetables, but little meat.

FER CRYIN' OUT LOUD

Can Plant-ite: "Why is that girl so sad looking?"

Office-ite: "Her dress is in tiers."

PIE FOR BREAKFAST

(A True Story)

A traveling salesman stopped at a small Vermont hotel for breakfast. The waitress asked him what he'd like for his breakfast. "Have you cooked breakfast foods?" he inquired.

"Yes, indeed."

"What kinds have you?"

"Open face, criss-cross and kivered—all apple!"

Some men are like the fellow who never chewed tobacco. They don't rate and don't expectorate.

LIKE COMING HOME LATE

Judge:—"How old are you, madam?"

Witness:—"I'm around thirty."

Judge:—"So I perceive. Now, how many years is it since you got around it?"

EASIER TO WORK HARD!

It may be true that worry kills more people than work, but that is probably due to the fact that even those who won't work will worry.

The man with the wooden leg gets a lot of sympathy but the man with the wooden head needs it most.

TOO LATE FOR DEXTROSE

The bride of a few weeks noticed that her husband was depressed.

"Gerald, dearest," she said, "I know something is troubling you, and I want you tell me what it is; your worries are not your worries now, they are our worries."

"O, very well," he said, "we've just had a letter from a girl in New York and she's suing us for breach of promise."

CREDITORS PLEASE NOTE

First Golfer: "Look here, why don't you pay me that twenty dollars you owe me?"

Second Golfer: "It's your fault, old man. Last time I paid you some money I owed you, you said you'd forgotten all about it."

Cooperation is not a sentiment, it is an economic necessity.

HE FIGURED IT OUT

"Have a cigar," said the Argo-ite with a smiling face.

"Don't mind if I do," said his Pekin friend, "but what's the occasion?"

"Oh, I've had an addition to the family!"

"You don't say so? Congratulations!" said the Pekin-ite enthusiastically as he put a match to the cigar. After a few puffs he asked, "About the fifth child?"

Most folks figger th' biggest prize in life is th' CHANCE to WORK HARD at somethin' worth doin'.

HIGHER "EDGE"-CATION

And then there is the college boy who got extremely tight drinking punch at the fraternity dance before he was told there wasn't any liquor in it.

"Money talks," they say, but all it ever seems to say nowadays is "hello" and "Goodbye."

CARRYING IT TOO FAR

The politicians who have promised economy in our government expenditures seem to have put it to practice, judging by the quality of their campaign cigars.



ST

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- ✓ Try our Service
- ✓ Compare our Values
- ✓ Talk to our many
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